



## PATENT ABSTRACTS OF JAPAN

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SUZUKI HOSEI****(54) OIL FILLING SYSTEM FOR TORQUE  
CONVERTER IN AUTOMATIC TRANSMISSION**

pressure is large.

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**(57) Abstract:**

**PURPOSE:** To complete filling of oil in a short time by controllably changing over the action of a vacuum throttle valve for controlling the inlet side pressure of a torque converter with the operation of a vacuum control diaphragm.

**CONSTITUTION:** In start, line pressure is raised by the drive of a pump 11. When a torque converter 10 is not sufficiently filled with oil under the idling condition, a pressure sensor 22 detects pressure is a path 21 below a predetermined value to controllably change over a three-way solenoid change-over valve 24 so that a vacuum chamber 17a communicates to the atmosphere. Thus, a vacuum throttle valve 6 is not operatively changed over so that the line pressure is held high and the torque converter 10 is filled with oil to raise the outlet pressure rapidly. When the pressure exceeds a predetermined one, the three-way solenoid valve 24 is turned off by the pressure sensor 22 and the vacuum chamber 17a is subjected to intake negative pressure to be controlled by the throttle valve 6 so that a line 20 communicates to the drain side when the intake negative

